

Work Order ID 73306

Wednesday, August 31, 2011 10:47:12 AM



Page 1

Item ID: D2884	Accept		Setup Start	
Revision ID:			Stop	
Item Name: Saddle Spacer				
Start Date: 9/1/2011	Start Qty: 20.00		Cust Item ID:	
Required Date: 9/15/2011	Req'd Qty: 20.00		Customer:	
Reference:				

Approvals:	Process Plan: <u>MF</u>	Date: <u>11-09-01</u>	Tooling:	Date:	Run Start	
	QC:	Date:	SPC (Y/N):	Date:	Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D2884	Rev B								

100	FLOW WATER JET	0.00							
	Waterjet								
FLOW CNC Waterjet	Memo	0.00							
6661. 086	1-Cut as per Dwg D2884 <input type="checkbox"/> Dwg Rev: <u>B</u> <input type="checkbox"/> Prog Rev: <u>B</u> <input type="checkbox"/> 2-Tumble, Deburr if necessary								

B11-9-00

64

110	QC2- Inspect parts off machine FAI/FAIB	0.00							
	QC								
Quality Control	Memo	0.00							

B11-9-00

120	QC8- Inspect parts - second check	0.00							
	QC								
Quality Control	Memo	0.00							

Sub 21

counter
64

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No ~ DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

[illegible]

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Accept

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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Setup Start

[illegible]

Stop

[illegible]

<p>1. The first step in the process of developing a new product is to identify a market need. This is often done through market research, which can be conducted in a variety of ways, including surveys, focus groups, and interviews.</p> <p>2. Once a market need has been identified, the next step is to develop a product concept. This involves creating a detailed description of the product, including its features, benefits, and target market.</p> <p>3. The third step is to develop a business plan. This document outlines the company's strategy for developing and marketing the product, as well as its financial projections.</p> <p>4. The fourth step is to secure funding. This can be done through a variety of sources, including venture capitalists, angel investors, and banks.</p> <p>5. The fifth step is to develop a prototype. This is a physical model of the product that can be used to test its design and functionality.</p> <p>6. The sixth step is to conduct a pilot test. This involves selling the product to a small group of customers to gather feedback and test the marketing strategy.</p> <p>7. The seventh step is to launch the product. This involves selling the product to a larger market and monitoring its performance.</p> <p>8. The eighth step is to evaluate the product's success. This involves comparing the product's performance to the goals set in the business plan.</p> <p>9. The ninth step is to make improvements. This involves identifying areas where the product can be improved and implementing changes.</p> <p>10. The tenth step is to continue to market the product. This involves ongoing promotion and sales efforts to keep the product in the market.</p>	<p>1. The first step in the process of developing a new product is to identify a market need. This is often done through market research, which can be conducted in a variety of ways, including surveys, focus groups, and interviews.</p> <p>2. Once a market need has been identified, the next step is to develop a product concept. This involves creating a detailed description of the product, including its features, benefits, and target market.</p> <p>3. The third step is to develop a business plan. This document outlines the company's strategy for developing and marketing the product, as well as its financial projections.</p> <p>4. The fourth step is to secure funding. This can be done through a variety of sources, including venture capitalists, angel investors, and banks.</p> <p>5. The fifth step is to develop a prototype. This is a physical model of the product that can be used to test its design and functionality.</p> <p>6. The sixth step is to conduct a pilot test. This involves selling the product to a small group of customers to gather feedback and test the marketing strategy.</p> <p>7. The seventh step is to launch the product. This involves selling the product to a larger market and monitoring its performance.</p> <p>8. The eighth step is to evaluate the product's success. This involves comparing the product's performance to the goals set in the business plan.</p> <p>9. The ninth step is to make improvements. This involves identifying areas where the product can be improved and implementing changes.</p> <p>10. The tenth step is to continue to market the product. This involves ongoing promotion and sales efforts to keep the product in the market.</p>
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Customer:

Required Date: 9/15/2011 **Req'd Qty:** 20.00

Reference:

Run Start

[illegible]

Stop

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

**Insp.
Stamp**

0.00

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Memo

0.00

Hand Finishing

24 of Mulog/21
counted

0.00

[illegible]

Memo

0.00

Quality Control

24 BR 11-9-21

Identify as per dwg & Stock Location 23

0.00

[illegible]

Packaging

Memo

0.00

Packaging

11/9/21 SL (24)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 73306

Wednesday, August 31, 2011 10:47:12 AM



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Item ID: D2884

Accept



Setup Start



Revision ID:

Stop



Item Name: Saddle Spacer

Start Date: 9/1/2011 Start Qty: 20.00



Cust Item ID:

Required Date: 9/15/2011 Req'd Qty: 20.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start



QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/9/21 [Signature]
MK
11-09-21

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Picklist Print

Wednesday, August 31, 2011 10:47:09 AM

Page 1

Work Order ID: 73306



Parent Item: D2884



Parent Item Name: Saddle Spacer



Start Date: 9/1/2011

Required Date: 9/15/2011

Start Qty: 20.00

Required Qty: 20.00

Comments: IPP A 99.10.12 New Issue EC
IPP Rev:B Now 6061-T6 06-06-23 JLM
IPP Rev:C Now on Waterjet 06-08-23 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.080  6061-T6 .080 Sheet		Purchased	No			100	sf	116.3000	0.0631	1.328421	1.5		
											B11-9-20		

Location

Loc Qty

Loc Code

MAT021

116.3

116268

9.5

117285

106.8

116268

54

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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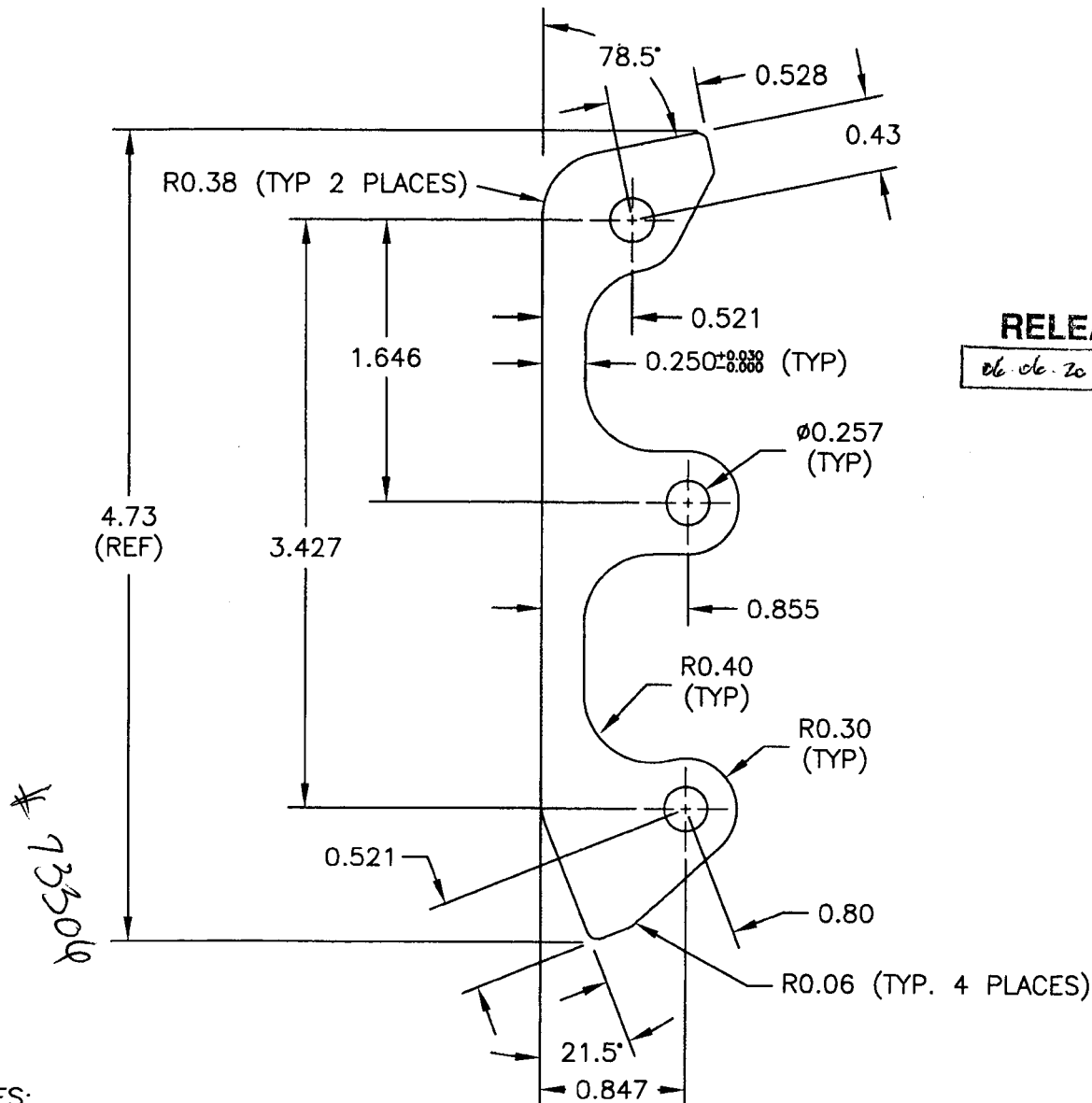
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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DART

DESIGN <i>CP</i>	DRAWN BY <i>CB</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>PH</i>	APPROVED <i>[Signature]</i>	DRAWING NO. D2884	REV. B SHEET 1 OF 1
DATE 06.05.29		TITLE SADDLE SPACER	SCALE 1:1
A	99.04.01	NEW ISSUE	
B	06.05.29	ADD 6061-T6 MATERIAL	

**NOTES:**

- 1) MATERIAL: 6061-T6 (PER QQ-A-250/11 OR AMS 4025 OR AMS 4027) 0.080" THICK (REF DART SPEC M6061T6S.080) OR 5052-H32/H34 (PER QQ-A-250/8 OR AMS 4016) 0.080" THICK (REF DART SPEC M5052H32S.080)
- 2) FINISH: ACID ETCH AND ALODINE PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.020
- 5) ALL DIMENSIONS ARE IN INCHES

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W/O:		WORK ORDER CHANGES					
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